

Michigan Collaborative Standardization of Compounded Oral Liquids

Drug name: Verapamil

Concentration: 50 mg/mL

Route: Oral

Volume: 120 mL

Dosage Form: Suspension

Shelf Life: 60 days

Storage: Room temperature or refrigerate

Auxiliary Labeling: Shake well

Ingredients	QS	Quantity	Units
Verapamil 80-mg tablets		75	tablet
Ora-Sweet /Ora-Plus*	Y	qs ad 120	mL

Directions:

1. Triturate tablets to a fine powder in a mortar and pestle.
2. Levigate with a small amount of base solution to form a paste.
3. Add base solution in increasing amounts while mixing thoroughly.
4. Transfer contents of the mortar to a graduated cylinder.
5. Rinse the mortar and pestle with base solution and pour into graduated cylinder.
6. Add base solution to the graduated cylinder to achieve the total volume indicated above.
7. Transfer contents of the graduated cylinder into an appropriate size plastic amber bottle.
8. Shake well to mix.

Notes:

- *Mix 60 mL of Ora-Sweet with 60 mL of Ora-Plus. Use mixture as base solution. Shake well before use.
- Alternatives: May substitute base solution with cherry syrup or 60 mL of Ora-Sweet SF mixed with 60 mL of Ora-Plus.

References:

- Allen Jr LV, Erickson III MA. Stability of labetalol hydrochloride, metoprolol tartrate, verapamil hydrochloride, and spironolactone with hydrochlorothiazide in extemporaneously compounded oral liquids. *Am J Health-Syst Pharm.* 1996;53:2304-9.
- Jew RK, Soo-Hoo W, Erush SC. *Extemporaneous Formulations for Pediatric, Geriatric, and Special Needs Patients.* 2nd ed. Bethesda, MD: American Society of Health-System Pharmacists; 2010.

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